

IN THE CLAIMS

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (currently amended) A video camera, comprising:

obtaining means for obtaining a capacity value of a battery by communicating via a communications line with a battery pack that contains the battery, the battery providing power to the video camera, the capacity value indicating a number of cell structures in the battery;

setting means for setting a correction value based on the capacity value, ~~the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value;~~

correcting means for correcting a low power warning voltage value using the correction value; ~~and~~

generating means for generating a low power warning signal when a detected battery voltage is less than or equal to the corrected low power warning voltage value and for generating a residual power indication when the detected battery voltage is greater than the corrected low power warning voltage value; and

display means for displaying the low power warning or the residual power indication.

7. (previously presented) A video camera as claimed in claim 6, further comprising detecting means for detecting the battery voltage.

8. (previously presented) A video camera as claimed in claim 6, further comprising storage means for storing the capacity value, said obtaining means obtaining the capacity value from said storage means.

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (cancelled)

13. (previously presented) A video camera as claimed in claim 6, wherein said correcting means corrects the low power warning voltage value by subtracting the correction value from the low power warning voltage value.

14. (currently amended) A video camera as claimed in claim 6, further comprising determining means for determining a residual power amount of the battery based on the capacity value.

15. (currently amended) A video camera as claimed in claim 14, wherein said generating means generates a display of the residual power amount as the residual power indication when the detected battery voltage is greater than the corrected low power warning voltage value.

16. (currently amended) A video camera as claimed in claim 6, wherein said generating means generates the low power warning signal when the detected battery voltage is greater than a minimum operating voltage.

17. (currently amended) A video system, comprising:

a video camera body;

a battery pack including a battery having at least one battery cell; and

a communications line connected to said video camera body and said battery pack;

said video camera body including:

obtaining means for obtaining a capacity value of said battery by communicating with said battery pack via said communications line, the capacity value indicating a number of cell structures in the battery,

setting means for setting a correction value based on the capacity value, ~~the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value,~~

correcting means for correcting a low power warning voltage value using the correction value, ~~and~~

generating means for generating a low power warning signal when a detected battery voltage is less than or equal to the corrected low power warning voltage value and for generating a residual power indication when the detected battery voltage is greater than the corrected low power warning voltage value, and

display means for displaying the low power warning or the residual power indication.

18. (previously presented) A video system as claimed in claim 17, wherein said battery pack includes storage means for storing the capacity value, said obtaining means of said video camera body obtaining the capacity value from the storage means.

19. (previously presented) A video system as claimed in claim 17, wherein said battery pack includes detecting means for detecting the battery voltage.

20. (currently amended) A method of detecting low power in a battery, comprising:

detecting a battery voltage;

obtaining a capacity value of the battery by communicating with a battery pack that contains the battery, the capacity value indicating a number of cell structures in the battery;

~~setting a correction value based on the capacity value, the correction value being a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of battery cells, the correction value being a second value when the capacity value does not exceed the first predetermined value and exceeds a second predetermined value that is the capacity value of a battery having a second known number of battery cells, the first known number of battery cells being greater than the second known number of battery cells, and the correction value being zero when the capacity value does not exceed the second predetermined value;~~

correcting a low power warning voltage value using the correction value; and

generating a low power warning ~~signal~~ when the battery voltage is less than or equal to the corrected low power warning voltage value;

generating a residual power indication when the detected battery voltage is greater than the corrected low power warning voltage value; and

displaying the low power warning or the residual power indication.

21. (previously presented) A method as claimed in claim 20, further comprising storing the capacity value, said step of obtaining the capacity value including obtaining the stored capacity value.

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (currently amended) A method as claimed in claim 20, wherein ~~the~~ said correcting step includes correcting the low power warning voltage value by subtracting the correction value from the low power warning voltage value.

26. (currently amended) A method as claimed in claim 20, further comprising determining a residual power amount of the battery based on the capacity value.

27. (currently amended) A method as claimed in claim 26, further comprising generating a display of the residual power amount as the residual power indication when the battery voltage is greater than the corrected low power warning voltage value.

28. (currently amended) A method as claimed in claim 20, wherein ~~the~~ said generating step includes generating the low power warning signal ~~when the battery voltage is greater than a minimum operating voltage.~~

29. (new) A video camera as claimed in claim 6, wherein the correction value is a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of cell structures, the correction value is a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of cell structures, the first known number of cell structures being greater than the second known number of cell structures, and the correction value

is zero when the capacity value does not exceed the second predetermined value.

30. (new) A video system as claimed in claim 17, wherein the correction value is a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of cell structures, the correction value is a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of cell structures, the first known number of cell structures being greater than the second known number of cell structures, and the correction value is zero when the capacity value does not exceed the second predetermined value.

31. (new) A method as claimed in claim 20, wherein the correction value is a first value when the capacity value exceeds a first predetermined value that is the capacity value of a battery having a first known number of cell structures, the correction value is a second value when the capacity value does not exceed the first predetermined value but exceeds a second predetermined value that is the capacity value of a battery having a second known number of cell structures, the first known number of cell structures being greater than the second known number of cell structures, and the correction value is zero when the capacity value does not exceed the second predetermined value.